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SOURCE Newspapers as indicated.

NOTES APPEARANCE OF NEW FARM MACHINES;
CENSURES OBSTACLES TO INNOVATORS

DESIGN MOUNTAIN PLOW -- Zarya Vostoka, No 84, 23 Apr 50

D. D. Tsitsishvili, director of the Chair of Mechanization at the Georgian Agricultural Institute imeni L. P. Beriya, and Engineer Ositashvili have designed a new mountain plow, which is already in production at the Tbilisi Agricultural Plant.

NEW HAY RAKES APPEAR -- Izvestiya, No 111, 11 May 50

The Zaporozh'ye Combine Building Plant has put out the first 160 hay rakes of new design. They are tractor-drawn, and can pick up and stack one hectare of hay per hour.

TEST NEW SPRINKLER -- Vechernyaya Moskva, No 97, 24 Apr 50

The All-Union Scientific Research Institute of Hydraulic Engineering and Development is testing a sprinkler on the cotton fields of the Kolkhoz imeni Lenin, Saltinskiy Rayon, Azerbaydzhan.

Mounted on a NAMI tractor, the sprinkler covers an area of 0.3 hectare. It can water 3 hectares in 8 hours, using one-half the amount of water that ordinary irrigation methods would require, and does not disturb the surface of the field.

DESIGNS SCRAPER ELEVATOR FOR THRESHER -- Sovetskaya Litva, No 88, 13 Apr 50

At the Kharkov Serp i Molot Plant, Engineer Lesnoy has designed a scraper elevator to replace the scoop type in the threshing machine.

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NEW DEVICE TO DETERMINE MOISTURE OF EARTH -- Leningradskaya Pravda, No 107,
6 May 50

A new device has been designed by Professor F. Ye. Kolyasev, which determines the amount of moisture in the earth to an accuracy of 0.5-1.0 percent. It works on the principle of measurement of earth compression after pressure is applied.

Formerly, it took 5-6 hours to determine moisture content, since the earth had to be weighed, dried, and weighed again. With the aid of the new instrument, moisture content can be determined in several minutes. On order of the Ministry of Agriculture, the first batch of these devices has gone into production.

WILL PRODUCE WATERERS -- Sovetskaya Moldaviya, No 85, 29 Apr 50

About 2,000 corn planters, produced by the Ataki Rayon Industrial Combine are being used in fields of the rayon. The combine has just begun production of garden waterers.

CONVEYER BOOSTS PRODUCTION -- Pravda, No 119, 20 Apr 50

In 1949 the Lyubertsy Agricultural Machine-Building Plant imeni Ukhtomskiy set up a conveyer for the assembly of reaper platforms, which has raised productivity 92 percent. A conveyer, used in the manufacture of the reaper frame, cut labor consumption 45 percent.

DIRECTORS LIMIT OPPORTUNITIES OF INNOVATORS -- Pravda Vostoka, No 109, 11 May 50

Proposals made at the Uzbeksel'mash Plant for increasing efficiency and reducing labor consumption must breach a wall of bureaucratic indifference. Instead of the specified 10 days, proposals take months to get through the Office for Rationalization and Innovation; and even if they are approved, there is no assurance that they will be put into practice.

Of 55 proposals made at Uzbeksel'mash this year, only 15 are being utilized. It was proposed in 1948 that a special die for broaching keys be made. Its use would have increased labor productivity ten times, and would have saved the plant 20,000 rubles per year. The use of another die which would have increased the rate of work five or six times was suggested. Neither of these dies were ever put into operation. All this does not perturb Chief Engineer Stykaylo, nor the heads of the Party and union organizations.

The plant management has not given Polyakov, director of rationalization and innovation, the opportunity to put his plans into effect. He would like to open a technical office, provide special literature for innovators, and organize consultations. All these proposals are ascribed by the management to Polyakov's peculiar "dissatisfaction with things." Polyakov has even been refused permission to study the rationalization measures carried out in other enterprises of Tashkent.

The management of Uzbeksel'mash could learn a great deal by studying the situation at the Tashtekstil'mash Plant and other local enterprises. At these plants, innovators enjoy the opportunities presented by close cooperation between scientists and the plant's management and often work in special brigades, studying the application of their proposals.

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The Commission for Promotion of Inventions of the Plant Union Committee, headed by Samarin, director of the laboratory, is practically inactive. An attempt to spur its activities was made at the beginning of this year. A plan was drawn up, but nothing came of it. The plan itself did not provide for group agitation work with the innovators.

The present situation at the plant indicates that the Party organization is not sufficiently influential with the management in its efforts to bring about introduction of new techniques. It is failing to give sufficient direction to the union organizations along the same line.

In the meantime, much labor is unnecessarily performed by hand, and there are many instances of rejects and flaws. It is time for Party and union organizations, engineers and stakhanovites, to inaugurate a new deal for the innovator.

INTRODUCE SPECIAL MAINTENANCE PROGRAM -- Sovetskaya Litva, No 111, 11 May 50

The Metalas Plant has fulfilled the Five-Year Plan, and is now working on its 1951 accounts. In the production of harrows and chains, the plan was exceeded five times. A new building has been opened for production of plows and boilers for central heating.

In the course of the Five-Year Plan the plant has been altered almost beyond recognition. A new building with light, spacious shops has been built, including new casting, galvanizing, and nickel-plating shops. The production of ironwork items has been broadened. The present mid-month level of production exceeds the 1946 level seven times.

A special machine-tool maintenance program has been instituted, with over 150 machines in operation. Special charts are kept at each machine, recording the progress of preventive maintenance.

THOUSANDS OF FORGINGS FROM SAVED METAL -- Izvestiya, No 113, 13 May 50

During the past year, the Molotov Plant imeni Dzerzhinskiy, which produces cream separators and motors for garden and orchard tractors, saved enough metal to enable its forge shop to produce over 6,000 forgings, including 1,700 complex forgings for the 60-liter Dzerzhinets separators.

PARTY SPURS PLANT TO ADHERE TO NORM -- Pravda Ukrainy, No 108, 7 May 50

An article published in Pravda Ukrainy of 30 March pointed out the haphazard methods and failure to adhere to plan at the Osipenko Pervomayskiy Agricultural Machinery Plant. This criticism has been adjudged well warranted by the Osipenko Party Committee.

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The Committee has suggested that the plant's management take steps to correct these shortcomings and is aiding the Party Committee at the plant to carry through the measures.

PLANT FETES 100TH ANNIVERSARY -- Pravda Ukrainy, No 94, 20 Apr 50

On 1 May, the Belaya Tserkov' Agricultural Machinery Plant celebrated its 100th anniversary. The workers decided to mark the occasion by turning out above-plan products for kolkhozes and MTS.

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